

County of San Diego
Revised: October 27, 1994
Reviewed: Spring 2003

PLUMBER ASSISTANT
PLUMBER
SENIOR PLUMBER

Class No. 006230
Class No. 005950
Class No. 005953

DEFINITION:

To perform a wide variety of plumbing tasks for county facilities such as buildings and institutions; and to perform related work.

DISTINGUISHING CHARACTERISTICS:

Positions in this class are allocated to the Department of General Services and departments requiring continuous building and facilities maintenance.

Plumber Assistant:

This is the entry-level class in this series. Under direct supervision, Assistant Plumbers assist journey-level Plumbers in facilities plumbing work and perform the simpler work independently. Incumbents are expected to perform work, which is progressively more difficult with increasing independence.

Plumber:

This is the journey-level class in this series. Under general supervision, Plumbers independently perform the full range of plumbing and related job set up work. This class differs from the next higher class, Senior Plumber, in that the latter is a lead worker.

Senior Plumber:

This the lead-worker class in this series. Under direction, Senior Plumbers perform the most difficult work and are responsible for the technical guidance and training of plumbers assigned to a crew or project. This class differs from the next higher class, Plumbing, Welding, and Air Conditioning Supervisor, in that the latter is a first-line supervisor responsible for crews engaged in skilled plumbing, welding and air conditioning work.

EXAMPLES OF DUTIES:

Installs, maintains and repairs gas, water, vacuum, steam, waste and sewer pipes for various systems such as: irrigation, sprinkler, gas pumps and heating; sets fixtures and installs pumps, valves, controls and pumps drains; tests plumbing, steam, air and water heating systems and inspects for repair needs; estimates materials for labor costs; reports on jobs and projects in progress; orders materials and supplies.

Senior Plumber:

All of the duties above and: leads a crew involved in plumbing work; estimates costs and orders supplies; coordinates the work of related crafts; assigns work to crew or project members; issues material lists for each job assigned; checks and completes work records; acts in the supervisor's absence on plumbing projects.

MINIMUM QUALIFICATIONS:

Knowledge Level: T = Thorough; G = General; -- = Not Applicable

Classification Level: PA = Plumber Assistant
 P = Plumber
 SP = Senior Plumber

Knowledge of:**PA P SP**

G	T	T	Plumbing codes.
G	T	T	Basic arithmetic.
G	T	T	Tools, equipment, and materials used in plumbing.
G	T	T	Work safety practices.
G	G	T	Installation and repair of iron, copper, PVC, and AC pipe.
G	T	T	Installation, maintenance, and repair of stoves, heaters, control valves, pumps sprinkler and gasoline systems.
G	T	T	Low voltage electricity.
--	G	T	Water treatment.
--	G	T	Blueprint reading and interpretation and isometric drawings.
--	--	G	Methods and techniques of oxyacetylene and electric welding.

Skills and Abilities to:

The following apply to all classes:

- Operate hand and power tools associated with plumbing and welding including torch, coring and equipment, motorized pipe threader, sawzall, angle drill, jackhammer, Hilti gun, etc.
- Read and understanding piping and blueprint layouts.
- Read and interpret oral and written instructions.
- Develop and maintain cooperative working relations with those contacted in the course of work.

Senior Plumber (in addition to the above):

- Read and understand isometric drawings.
- Provide training and technical guidance to assistants and other subordinate staff.
- Prepare cost estimates.
- Order supplies and materials.
- Complete work records, logs and associated paperwork.

EDUCATION/EXPERIENCE:

Training and/or experience, which clearly demonstrate the knowledge, skills and abilities stated above. Examples of qualifying training and experience are:

Plumber Assistant:

1. One (1) year of work experience assisting a journey-level plumbing; OR,
 2. One (1) year of experience as a Construction and Service Worker I in the County of San Diego; OR,
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3. An equivalent combination of education/experience.

Plumber:

1. Four (4) years of varied plumbing experience, one (1) year of which was at the journey-level; OR,
2. Two (2) years of experience as an Assistant Plumber in the County of San Diego.

Senior Plumber:

1. Five (5) years of varied journey-level plumbing experience, one (1) year of which was at a lead-worker or supervisory level; OR,
2. Two (2) years of experience as a Plumber in the County of San Diego.

SPECIAL NOTES, LICENSES, OR REQUIREMENTS:

License:

Positions in this class require possession of a valid California Class C driver's license, which must be maintained throughout employment in this class, or the ability to arrange transportation for field travel.

Working Conditions:

Exposure to moisture, electrical hazards, fumes and cramped workspace. May be exposed to hazards of building maintenance (i.e., lead, asbestos, etc.) Wearing of protective breathing apparatus is required.

Physical Requirements:

Lifts large and heavy objects, weighing up to 50 pounds, and occasionally up to 70 pounds. Total weight of objects worn and carried may be approximately 100 pounds.